display housing **31** from the front. The other two hinge input male members **51** are positioned with the input male member horizontal legs **56** angled backward. The ends of these two input male member horizontal legs **56** also rest on the flat surface. These two hinge input male members **51** restrain the display housing **31** from the back.

I claim:

1. A telescoping pivot hinge system for a notebook computer or other device having an input housing and a display housing, said input housing having an upper side comprising a keyboard or other input device, a lower side opposite to the upper side, a front side, a back side, a left side and a right side; said display housing having a front side comprising a visual display, a back side opposite to the front side, an upper side, a lower side, a left side and a right side; said telescoping pivot hinge system comprising:

a hinge display male member;

a hinge display female member;

a hinge input male member;

a hinge input female member;

said hinge display male member comprising a pivot for rotationally attaching to said hinge input male member, and a rod for telescopically inserting into and attaching to said hinge display female member;

said pivot of the hinge display male member having an axis of rotation perpendicular to the angle of inclination between the input housing upper side and the display housing front side;

the hinge display female member comprising an open ended tunnel for receiving and telescopically engaging said rod of the hinge display male member and a display mating surface for mating to the display housing,

the hinge display female member rigidly attaches to the display housing with the tunnel approximately perpendicular to the lower side of the display housing, and with the open end of the tunnel towards the lower side of the display housing;

the rod of the hinge display male member telescopically connects inside the tunnel of the hinge display female member;

said hinge input male member comprising a pivot for rotationally attaching to said hinge display male member, and a rod for telescopically inserting into and engaging said hinge input female member;

said pivot of the hinge input male member having an axis of rotation perpendicular to the angle of inclination between the input housing upper side and the display housing front side;

the hinge input female member comprising an open ended tunnel for receiving and telescopically engaging said rod of the hinge input male member and, an input mating surface for mating to the input unit,

the hinge input female member rigidly attaches to the input housing with the tunnel approximately perpendicular to the back side of the input housing, and with the open end of the tunnel towards the back side of the input housing;

the rod of the hinge input male member telescopically connects inside the tunnel of the hinge input female member;

the pivot of the hinge input male member rotationally attaches to the pivot of the hinge display male member;

the pivot of the hinge input male member and the pivot of the hinge display male member provide means to vary the angle of inclination between the input housing upper side and the display housing front side;

the rod of the hinge input male member and the tunnel of the hinge input female member provide means to vary the horizontal distance from the front of the display housing to the back of the input housing; and

the rod of the hinge display male member and the tunnel of the hinge display female member provide means to vary the vertical elevation from the lower side of the display housing to the upper side of the input housing.

2. The telescoping pivot hinge system of claim **1** wherein the hinge display female member has a second open ended tunnel perpendicular to the first open ended tunnel whereby providing means for the display housing to be attached to the rod of the hinge display male member with the visual display in either a landscape or a portrait orientation.

3. The telescoping pivot hinge system of claim **1** wherein a plurality of hinge display male member rods telescopically insert into and attach to a plurality of hinge display female member tunnels; and a plurality of hinge input male member rods telescopically insert into and attach to a plurality of hinge input female member tunnels.

4. The telescoping pivot hinge system of claim **1** wherein the hinge display female member is attached to the display housing by means of weld, adhesive, composite material, bolts, screws, rivets, or other type of fasteners; and the hinge input female member is attached to the input housing by means of weld, adhesive, composite material, bolts, screws, rivets, or other type of fasteners.

5. The telescoping pivot hinge system of claim **1** wherein the hinge display female member is integral to the display housing; and the input female member is integral to the input housing.

6. The telescoping pivot hinge system of claim **1** wherein the pivot of the hinge input male member and the pivot of the hinge visual display male member are connected by a pivot pin on one member and a receiving pivot slot on the other member.

7. The telescoping pivot hinge system of claim **1** wherein the pivot of the hinge input male member and the pivot of the hinge display male member are connected by a pivot bolt, or other type of fastener, which is inserted through a pivot hole in the pivot of the hinge input male member and a pivot hole in the pivot of the hinge display male member.

8. The telescoping pivot hinge system of claim **1** wherein the rod of the hinge display male member contains a plurality of notches, indents, or holes; the hinge display female member contains a keeper device; and the keeper on the hinge display female member controls the distance that the rod of the hinge display male member is inserted into the tunnel of the hinge display female member; and the rod of the hinge input male member contains a plurality of notches, indents, or holes; the hinge input female member contains a keeper device; and the keeper on the hinge input female member controls the distance that the rod of the hinge input male member is inserted into the tunnel of the hinge input female member.

9. The telescoping pivot hinge system of claim **1** further including a remote display support which engages the hinge display female member to provide means for controlling the angle of inclination and elevation of the display housing front side when the display housing is detached from the input housing.

10. A telescoping pivot hinge system for a notebook computer or other device having an input housing and a display housing, said input housing having an upper side comprising a keyboard or other manual input device, a lower